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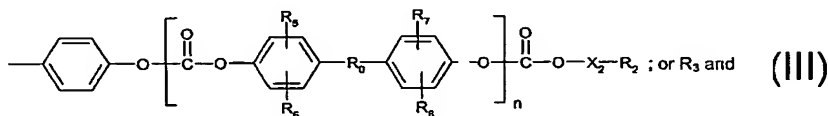
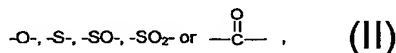
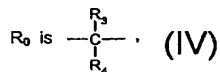
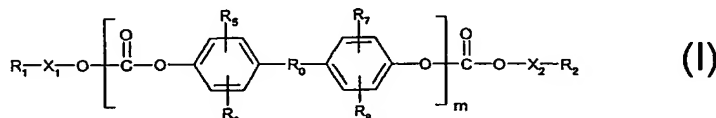
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(54) Title: FLUOROCARBON TERMINATED OLIGO- AND POLY-CARBONATES AS SURFACE MODIFIERS



(57) Abstract: The instant invention relates to new compounds of the formula (I), wherein  $R_6$  is (formula II),  $R_1$  and  $R_2$  are each independently of the other a fluorine containing group,  $R_3$  and  $R_4$  are each independently of the other hydrogen, a fluorine containing group,  $C_1-C_{12}$ alkyl, phenyl or (formula III), or  $R_3$  and  $R_4$ , together with the carbon atom to which they are bonded, form a  $C_5-C_8$ -cycloalkylidene ring that is unsubstituted or substituted by from 1 to 3  $C_1-C_4$ alkyl groups;  $R_5, R_6, R_7$  and  $R_8$  are each independently of the other hydrogen,  $C_1-C_{12}$ alkyl or  $C_3-C_{12}$ alkenyl,  $X_1$  and  $X_2$  are each independently of the other a direct bond or  $C_1-C_{12}$ alkylene,  $m$  is 1 to 10<sup>4</sup>, and  $n$  is 0 to 10<sup>4</sup>. These new compounds of the formula (I) are useful as reducers of surface energy for organic materials such as polycarbonates, polyesters or polyketones or their mixtures, blends or alloys. Polymers with such a reduced surface energy possess an "easy to clean", "self-cleaning", "antisoiling", "soil-release", "antigraffiti", "oil resistance", "solvent resistance", "chemical resistance", "self lubricating", "scratch resistance", "low moisture absorption" and "hydrophobic" surface.



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